

Substitute for form 1449/PTO		Application Number	10/816,364
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	3765 2/42
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-005-000000	

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
OS	AA	7,165,109 B2	01-16-2007	Chiloyan et al.
	AB	6,421,354 B1	07-16-2002	Godlewski, Ronald W.
	AC	6,640,145 B2	10-28-2003	Hoffberg et al.
	AD	6,504,829 B1	01-07-2003	Young et al.
OS	AE	6,208,247 B1	03-27-2001	Agre et al.

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AF	2005/0021724 A1	01-27-2005	Kung et al.
	AG	2004/0090326 A1	05-13-2004	Chin et al.
	AH	2003/0151513 A1	08-14-2003	Herrmann et al.
	AI	2002/0161751 A1	10-31-2002	Mulgund et al.
OS	AJ	2001/0027495 A1	10-04-2001	Campagnolo, Valentino

NON PATENT LITERATURE DOCUMENTS

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OS	AK	PCT International Search Report; International App. No.: PCT/US05/09479; 17 July 2007
OS	AL	PCT International Search Report; International App No.: PCT/US05/09640; 09 July 2007
OS	AM	PCT International Search Report; International App No.: PCT/US05/10053; 10 August 2007

OMB 0651-0031

Examiner Signature		Date Considered	8/31/07
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OS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; Information Retrieval Session 4: General Retrieval Issues; 2003; pp. 199-206; ACM Press
OS	AB	PCT International Search Report; International App. No.: PCT/US05/10843; 29 March 2005

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OS	AA	CULLER, DAVID E.; MULDER, HANS; "Smart Sensors To Network The World"; Scientific American; printed on June 26, 2007; pp. 1-10; http://www.intel.com/research/exploratory/smartnetworks.htm
↓	AB	FALL, KEVIN; "A Delay-Tolerant Network Architecture For Challenged Internets"; Intel Research Berkeley; February 26, 2003; pp. 1-14; ACM Press
↓	AC	GOVINDAN, RAMESH; KOHLER, EDDIE; ESTRIN, DEBORAH; BIAN, FANG; CHINTALAPUDI, KRISHNA; GNAWALI, OM; GUMMADI, RAMAKRISHNA; RANGWALA, SUMIT; STATHOPOULOS, THANOS; "Tenet: An Architecture For Tiered Embedded Networks"; pp. 1-8
OS	AD	STATHOPOULOS, THANOS; GIROD, LEWIS; HEIDEMANN, JOHN; ESTRIN, DEBORAH; "More Herding For Tiered Wireless Sensor Networks"; Center For Embedded Networked Sensing; pp. 1-14; UCLA, Department Of Computer Science / USC, Information Sciences Institute

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OS	AA	5,581,694	12-03-1996	Iverson et al.
	AB			

U.S. PATENT APPLICATION DOCUMENTS				
Examiner Initials ¹	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AC	2006/0224434 A1	10-05-2006	Rumi et al.
OS	AD	2006/0212570 A1	09-21-2006	Aritsuka et al.

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OS	AA	CULLER, DAVID; ESTRIN, DEBORAH; SRIVASTAVA, MANI; "Overview Of Sensor Networks"; Computer; August 2004; pp. 41-49; Vol. 37; No. 8; IEEE Computer Society

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Sheet 1 of 1

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First Named Inventor	Edward K.Y. Jung
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DS	AA	LU, JIE; CALLAN, JAMIE; "Content-Based Retrieval In Hybrid Peer-To-Peer Networks"; CIKM'03; bearing dates of November 3-8, 2003; ACM

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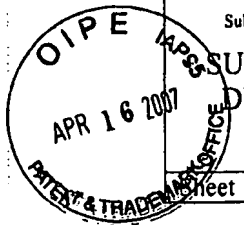
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OS	AC	2004/0249563 A1	12-09-2004	Otsuki et al.
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OS	AA	7,034,740 B2	04-25-2006	Witten, Alan
OS	AB	5,960,214	09-28-1999	Sharpe, Jr. et al.

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OS	AE	PCT International Search Report; International App. No.: PCT/US05/11203; 09 February 2007

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	AB	6,943,747 B2	09-13-2005	Kwon, Do-Hoon
	AC	6,296,205 B1	10-02-2001	Hanson et al.
	AD	5,697,066	12-09-1997	Acampora, Anthony
OS	AE	5,432,519	07-11-1995	Sezai, Toshihiro

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OS	AF	2005/0062653 A1	03-24-2005	Cetiner et al.
	AG	2002/0036595 A1	03-28-2002	Chiang et al.
	AH	10/909,200		Jung et al.
	AI	10/903,692		Jung et al.
	AJ	10/903,652		Jung et al.
	AK	10/900,163		Jung et al.
	AL	10/900,147		Jung et al.
	AM	10/882,119		Jung et al.
	AN	10/877,109		Jung et al.
	AO	10/877,099		Jung et al.
	AP	10/850,914		Jung et al.
	AQ	10/844,614		Jung et al.
	AR	10/844,613		Jung et al.
	AS	10/844,612		Jung et al.
	AT	10/844,564		Jung et al.
OS	AU	10/843,987		Jung et al.

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Substitute for form 1449A/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS <i>(Use as many sheets as necessary)</i>		Application Number	10/816,364
		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	3765 2/42
		Examiner Name	To Be Assigned Survillo
Sheet 2 of 2	Attorney Docket Number	0104-003-005-000000	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
OS	AV	PCT International Search Report; International App. No.: PCT/US05/10054; 01 December 2006

OMB 0651-0031

Examiner Signature		Date Considered	8/16/07
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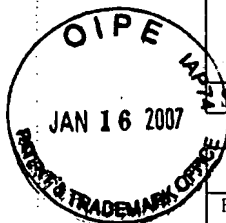
^{*}EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K.Y. Jung
		Group Art Unit	3765 2142
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 2	Attorney Docket Number	0104-003-005-000000	



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Examiner Initials*	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
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OS	AH	2006/0136627 A1	06-22-2006	Maity et al.
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	T ⁶
	AP				

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	3/16/07
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Sheet	2	of	2	Attorney Docket Number	0104-003-005-000000

NON PATENT LITERATURE DOCUMENTS		
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	AR	DUTTA, PRABAL K. et al.; "System Software Techniques for Low-Power Operation in Wireless Sensor Networks"; Computer Science Division, University of California, Berkeley; bearing a date of 2005; pp. 924 - 931; (plus cover sheet)
	AS	KRAUSE, ANDREAS et al.; "Near-optimal Sensor Placements: Maximizing Information while Minimizing Communication Cost"; bearing dates of April 19-21, 2006; pp. 2 - 10; (plus cover sheets)
	AT	LU, JIE et al.; "User Modeling for Full-Text Federated Search in Peer-to-Peer Networks"; Language Technologies Institute, Carnegie Mellon University; bearing dates of August 6 - 11, 2006; pp. 332 - 339; (plus cover sheet)
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	AV	PCT International Search Report; International App. No.: PCT/US05/11202; 27 September 2006
	AW	RAZEEB, KAFIL M. et al.; "A Hybrid Network of Autonomous Sensor Nodes"; NMRC, University College Cork; bearing dates of November 8 - 10, 2004; pp. 69 - 70; (plus cover sheet)
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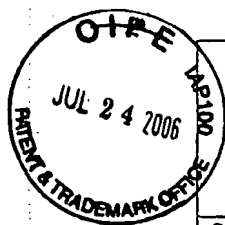
Examiner Signature	<i>Survillo</i>	Date Considered	8/16/07
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)		Filing Date	March 31, 2004
		First Named Inventor	Edward K. Y. Jung
		Group Art Unit	3765-2/42
		Examiner Name	To Be Assigned Survillo
Sheet 1 of 1	Attorney Docket Number	0104-003-005-000000	

U.S. PATENT DOCUMENTS				
Examiner Initials ¹	Cite No. ¹	U.S. Patent Number Number-Kind Code ² (if known)	Issue Date (MM-DD-YYYY)	Name of Patentee
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	AB			
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Examiner Initials ¹	Cite No. ¹	U.S. Patent Application Publication Number Number-Kind Code ² (if known)	Publication Date (MM-DD-YYYY)	Name of Applicant
OS	AD	2005/0143133 A1	06-30-2005	Bridgelall, Raj
OS	AE	2004/0230638 A1	11-18-2004	Balachandran et al.
OS	AF	2003/0033394 A1	02-13-2003	Stine, John A.

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	T ⁶
	AG				
	AH				

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Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AI	
	AJ	
	AK	

OMB 0651-0031

Examiner Signature	<i>Survillo</i>	Date Considered	8/16/07
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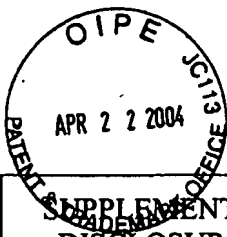
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	10/816,364
	Filing Date	March 31, 2004
	First Named Inventor	Edward K.Y. Jung
	Group Art Unit	3765-2142
	Examiner Name	To be Assigned <i>Survillo</i>
Page 1 of 1	Attorney Docket Number	0104-003-005-000000

U.S. PATENT DOCUMENTS				
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	AD			
	AE			
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	AG			
	AH			

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	AI				
	AJ				
	AK				

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<i>OS</i>	AL	ZHAO, FENG; GUIBAS, LEONIDAS J.; Wireless Sensor Networks: An Information Processing Approach. San Francisco: Morgan Kaufmann Publishers-Elsevier Inc.; bearing a copyright date of 2004.
	AM	
	AN	
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Examiner Signature	<i>Survillo</i>	Date Considered	8/16/07
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	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2/42
	Examiner Name	To be Assigned 5/10
Page 1 of 4	Attorney Docket Number	0104-003-005-000000

U.S. PATENT DOCUMENTS				
Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
	AA			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYY)	English Translation Provided?
	AB				

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OS	AC	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Building Sensor Networks with TinyOS" May 5, 2003 Mobisys Tutorial, San Francisco Powerpoint Presentation, Culler, David; Levis, Phil; Szewczyk, Rob; Polastre, Joe; pp. 1-41 located at http://webs.cs.berkeley.edu , printed on 04/15/04.
	AD	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Publications", pp. 1-3, located at http://webs.cs.berkeley.edu/publications.html , printed on 04/12/04
	AE	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Latest News", pp. 1-2 located at http://webs.cs.berkeley.edu/tos/ , printed on 01/27/04.
	AF	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS a component-based OS for the networked sensor regime", "Publications/Presentations", pp. 1-3 located at http://www.tinyos.net/media.html , printed on 04/13/04.
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	AH	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Index", pp. 1-2 located at http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/index.html , printed on 04/15/04.
	AI	BERKELEY WEBS: WIRELESS EMBEDDED SYSTEMS, "Tiny OS Tutorial Lesson 8: Data Logging Application", pp. 1-4 located at http://webs.cs.berkeley.edu/tos/tinyos-1.x/doc/tutorial/lesson8.html , printed on 04/15/04.
OS	AJ	CENTER FOR THE BUILT ENVIRONMENT, "XYZ On A Chip: Integrated Wireless Sensor Networks for the Control of the Indoor Environment in Buildings" pp. 1-2, located at http://www.cbe.berkeley.edu/research/briefs-wirelessxyz.htm , bearing a date of 2002, printed on 01/27/04.

Examiner Signature	<i>[Signature]</i>	Date Considered	8/16/07
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Page 2 of 4	Attorney Docket Number	0104-003-005-000000

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
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OS	AK	CITRIS, "Brainy Buildings Conserve Energy" p. 1-3 located at http://www.citris.berkeley.edu/applications/energy/smartbuildings.html , printed on 01/27/04.
	AL	CITRIS, "The Real World as One Giant Database" pp. 1-3 located at http://www.citris.berkeley.edu/newsletter/2003_Newsletters/december_2003/feature.htm , bearing a date of 2003, printed on 04/09/04.
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	AN	GELSINGER, PAT; Intel.com, "Expanding Moore's Law with Convergence" pp. 1-4 located at http://www.intel.com/labs/features/em101031.htm , printed on 04/09/04.
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	AP	ISIS NEST: Institute For Software Integrated Systems; "NEST Home: Network Embedded Systems Technology", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/index.html , printed on 04/14/04.
	AQ	ISIS NEST: Institute For Software Integrated Systems; "Applications: Shooter Localizations", pp. 1-5, located at http://www.isis.vanderbilt.edu/projects.nest/applications.html , printed on 04/14/04.
	AR	ISIS NEST: Institute For Software Integrated Systems; "Middleware: Next Middleware Services", pp. 1 of 1, located at http://www.isis.vanderbilt.edu/projects.nest/middleware.html , printed on 04/14/04.
	AS	ISIS NEST: Institute For Software Integrated Systems; "Tools: NEST Tools", pp. 1 of 1, located at http://www.isis.vanderbilt.edu/projects.nest/tools.html , printed on 04/14/04.
	AT	ISIS NEST: Institute For Software Integrated Systems; "Documents: NEST Documents", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/documents.html , printed on 04/14/04.
	AU	ISIS NEST: Institute For Software Integrated Systems; "Download: NEST Download", pp. 1-2, located at http://www.isis.vanderbilt.edu/projects.nest/download.html , printed on 04/14/04.
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OS	AW	JOHNSON, R. COLIN, "Companies test prototype wireless-sensor nets" EE Times, pp. 1-3, printable version of article located at http://www.eet.com/article/showArticle.jhtml?articleID=9900910 , bearing a date of 01/29/03, printed on 01/27/04.

Examiner Signature	<i>Surville</i>	Date Considered	8/16/07
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		Filing Date	March 31, 2004
		First Named Inventor	Edward K. Y. Jung
		Group Art Unit	To be Assigned 2/42
		Examiner Name	To be Assigned Survi/10
Page 3 of 4		Attorney Docket Number	0104-003-005-000000
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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	AY	KLING, RALPH, "Intel® Research Mote" pp. 1-13, Powerpoint Presentation, located at http://webs.cs.berkeley.edu/retreat-1-03/slides/imote-nest-q103-03-dist.pdf , Intel Corporation Research, Santa Clara, CA, printed on 04/13/04.	
	AZ	LEVIS, PHILIP; CULLER, DAVID; "Maté: A Tiny Virtual Machine for Sensor Networks", pp. 1-11, printed on 04/12/04	
	BA	LEVIS, PHILIP; MADDEN, SAM; GAY, DAVID; POLASTRE, JOSEPH; SZEWCZYK, ROBERT; WOO, ALEC; BREWER, ERIC; CULLER, DAVID; "The Emergence of Networking Abstractions and Techniques in TinyOS" pp. 1-14, printed on 04/13/04.	
	BB	LEVIS, PHILIP; PATEL, NEIL; CULLER, DAVID; SHENKER, SCOTT; "Trickle: A Self-Regulating Algorithm for Code Propagation and Maintenance in Wireless Sensor Networks", printed on 04/13/04.	
	BC	LEVIS, PHILIP; PATEL, NEIL; "Maté: Building Application-Specific Sensor Network Language Runtimes", bearing a date of 11/11/03, printed on 04/12/04	
	BD	"LOCALIZATION Distributed Embedded Systems" UCLA Computer Science 213: Localization Systems Powerpoint Presentation, pp. 1-61, bearing a course name of: CS 213/Estrin/Winter 2003, bearing a speaker name of: Lewis Girod, bearing a date of 02/04/03, printed on 03/15/04.	
	BE	"Localization.Millennium.Berkeley.Edu", University of California Berkeley, located at http://localization.millennium.berkeley.edu/introduction.html , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
	BF	"Localization Standards", University of California Berkeley, located at http://localization.millennium.berkeley.edu/localization_standards.html , pp. 1 of 1, bearing a date of 2001, printed on 04/07/04.	
	BG	MARÓTI, MIKLÓS; VÖLGYESI, PÉTER; SIMON, GYULA; KARSAL, GÁBOR; LÉDECZI, AKOS; "Distributed Middleware Services Composition and Synthesis Technology"; pp. 1-8, IEEE, bearing a date of 2002, printed on 04/14/04.	
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	BI	RAGHUNATHAN, VIJAY; SCHURGERS, CURT; PARK, SUNG; SRIVASTAVA, MANI B.; "Energy Aware Wireless Sensor Networks" pp. 1-17; Department of Electrical Engineering, University of California, Los Angeles; printed on 03/15/04.	
OS	BJ	SAVVIDES, ANDREAS; "Hardware", pp. 1-3, located at http://nesl.ee.ucla.edu/projects/ahlos/hardware.htm , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 01/18/03, printed on 02/23/04.	
Examiner Signature	Date Considered		8/6/07

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANTS		Application Number	10/816,364
		Filing Date	March 31, 2004
		First Named Inventor	Edward K. Y. Jung
		Group Art Unit	To be Assigned 2/42
		Examiner Name	To be Assigned <i>Survillo</i>
Page 4 of 4		Attorney Docket Number	0104-003-005-000000
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
OS	BK	SAVVIDES, ANDREAS; "Localization Forum", pp.1 of 1, located at http://nesl.ee.ucla.edu/projects/ahlos/localization_forum.htm , Networks and Embedded Systems Lab, University of California, Los Angeles; bearing a date of 12/24/03, printed on 02/23/04.	
↓	BL	"The Ad-Hoc Localization System (AHL0S)" Networks and Embedded Systems Lab, University of California, Los Angeles; located at http://nesl.ee.ucla.edu/projects/ahlos/Default.htm , pp. 1-4, printed on 02/23/04.	
↓	BM	"Tiny DB A Declarative Database for Sensor Networks" pp. 1-2, located at http://telegraph.cs.berkeley.edu/tinydb/ printed on 04/09/04.	
OS	BN	TINY SEC: LINK LAYER SECURITY FOR TINY DEVICES, "Calamari: A localization system for sensor networks", pp. 1-6, located at http://www.cs.berkeley.edu/~kamin/calamari/ printed on 04/12/04.	
	BO		

Examiner Signature	<i>Survillo</i>	Date Considered	8/16/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	To be Assigned 10/816, 364
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2142
	Examiner Name	To be Assigned - Surveillance
Page 1 of 2	Attorney Docket Number	0104-003-005-000000

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Examiner Initials	Cite No.	U.S. Patent Number	Name of Patentee	Date of Publication (MM-DD-YYYY)
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↓	AB	2003/0236866 A1	John J. Light	12-25-2003
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Examiner Initials	Cite No.	Document Number	Country	Date of Publication (MM-DD-YYY)	English Translation Provided?
	AE				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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Examiner Signature	<i>Surveillance</i>	Date Considered	8/16/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANTS	Application Number	To be Assigned - 10/8/16, 364
	Filing Date	March 31, 2004
	First Named Inventor	Edward K. Y. Jung
	Group Art Unit	To be Assigned 2142
	Examiner Name	To be Assigned Surv 110
Page 2 of 2	Attorney Docket Number	0104-003-005-000000

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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	AW	
	AX	
	AY	
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Examiner Signature	<i>Surv 110</i>	Date Considered	8/16/07
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